



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q65478

Tatsuo KAKIMOTO, et al.

Appln. No.: 09/918,508

Group Art Unit: 1645

Confirmation No.: 3296

Examiner: Unknown

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Filed: August 1, 2001

For: ANALYSIS OF AGONIST-ACTIVITY AND ANTAGONIST-ACTIVITY TO
CYTOKININ RECEPTOR

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Inoue et al., "Identification of CRE1 as a cytokinin receptor from *Arabidopsis*", *Nature*, Vol. 409, No. 6823, February 22, 2001, pp. 1060-1063 (Abstract XP-001061408) with Database Abstract XP-002199637. This reference was submitted to the U.S. PTO with an Information Disclosure Statement dated August 22, 2002.
2. Mahonen et al., "A novel two-component hybrid molecule regulates vascular morphogenesis of the *Arabidopsis* root", *Genes & Development*, Vol. 14, No. 23, December 1, 2000, pp. 2938-2943 (Abstract XP-001079006). This reference was submitted to the U.S. PTO with an Information Disclosure Statement dated August 22, 2002.
3. T. Kakimoto, "CKI1, a Histidine Kinase Homolog Implicated in Cytokinin Signal Transduction", *Science*, American Association for the Advancement of Science, Vol. 274, November 8, 1996, pp. 982-985 (Abstract XP-002102276). This reference was

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Information Disclosure Statement

submitted to the U.S. PTO with an Information Disclosure Statement dated August 22, 2002.

4. Ueguchi et al., "Novel Family of Sensor Histidine Kinase Genes in *Arabidopsis thaliana*", *Plant and Cell Physiology*, Japanese Society of Plant Physiologists, XX, Vol. 2, No. 42, February 2001, pp. 231-235 (Abstract XP-001079007) with Database accession no. Q9C5U1, Abstract XP-002212289 and Q9C5U2, Abstract XP-002212290. This reference was submitted to the U.S. PTO with an Information Disclosure Statement dated November 5, 2001.
5. U.S. Patent No. 6,077,682 issued June 20, 2000 to Inouye et al.
6. European Patent Application No. 0 892 063 A2 published January 20, 1999.
7. WO 99/36508 published July 22, 1999.
8. T. Kakimoto, "Cytokinin signaling", *Current Opinion in Plant Biology*, Quadrant Subscription Services, GB, Vol. 5, No. 1, 1998, pp. 399-403 (Abstract XP-001079011).
9. M. Estelle, "Cytokinin action: Two receptors better than one?", *Current Biology*, Current Science, GB, Vol. 16, No. 8, 1998, pp. R539-R541 (Abstract XP-001071265).
10. URAO et al., "A Transmembrane Hybrid-Type Histidine Kinase in *Arabidopsis* Functions as an Osmosensor", *The Plant Cell*, Vol. 11, No. 9, September 1999, pp. 1743-1754 (Abstract XP-002212287). This reference was submitted to the U.S. PTO with an Information Disclosure Statement dated November 5, 2001.
11. KULAEVA et al., "A new family of cytokinin receptors from Cereales", *FEBS Letters*, Vol. 423, No. 2, February 20, 1998, pp. 239-242 (Abstract XP-002212288).

One copy of each of the listed documents (including those previously supplied) is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the

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Appln. No. 09/918,508
Information Disclosure Statement

merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

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J. Frank Osha
Registration No. 24,625

Date: December 13, 2002

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Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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| Application Number | 09/918,508 |
| Confirmation Number | 3296 |
| Filing Date | August 01, 2001 |
| First Named Inventor | Tatsuo KAKIMOTO |
| Art Unit | 1645 |
| Examiner Name | Unknown |
| Attorney Docket Number | Q65478 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|-----------------------|--------------------------|-----------------|--------------------------------------|--------------------------------|---|
| | | Number | Kind Code ² (if known) | | |
| | | US 6,077,682 | A | 06-20-2000 | Inouye et al. |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
|-----------------------|--------------------------|------------------------------|---------------------|--------------------------------------|--------------------------------|--|--------------------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| | | EP | 0 892 063 | A2 | 01-20-1999 | SmithKline Beecham Corp. | |
| | | WO | 99/36508 | A1 | 07-22-1999 | SmithKline Beecham Corp. | |
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
|-----------------------|--------------------------|--|--------------------------|
| | | T. Kakimoto, "Cytokinin signaling", Current Opinion in Plant Biology, Quadrant Subscription Services, GB, Vol. 5, No. 1, 1998, pp. 399-403 (Abstract XP-001079011) | |
| | | M. Estelle, "Cytokinin action: Two receptors better than one?", Current Biology, Current Science, GB, Vol. 16, No. 8, 1998, pp. R539-R541 (Abstract XP-001071265) | |
| | | KULAEVA et al., "A new family of cytokinin receptors from Cereales", FEBS Letters, Vol. 423, No. 2, February 20, 1998, pp. 239-242 (Abstract XP-002212288) | |
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Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.